BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work:- Modified Estimate for improvements & Asphalting to Ashwathkatte Main Road Basaveshwara roads in Mallasandra, in Shettyhalli Sub Division, Ward No.13

			Est. Cost Rs				40.00	Lakhs	
Sl.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications Page No. 150/ Item No. 19.1/ PWD SR 2013-14	Cum							
	Ashwathkatte Main Road		1	240.00	0.75	0.3	54.00		
	Basaveshwara Road		1	150.00	0.75	0.3	33.75		
	Mantapada Road		1	182.00	0.75	0.3	40.95		
	Pipeline-6th Cross		1	248.00	0.75	0.3	55.80		
	Pipeline-25th Cross		1	176.00	0.75	0.3	39.60		
	Pipeline-24th Cross		1	90.00	0.75	0.25	16.88		
	Bagyalakshmi Temple Road		1	242.00	0.75	0.3	54.45		
	9th Cross Maheswari nagara		1	150.00	0.75	0.3	33.75		
	Golden Bakery		1	316.00	0.75	0.3	71.10		
	Cambridge School Road		1	318.00	0.75	0.3	71.55		
							471.83	65.88	31083.83
	Basic Rate	61.00							
	Area Weightage 8%	4.88							
	Total	**65.88**							
3	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.167/I.20.18 PW, P & IWTD - SR 2013-14)	**Cum**							
	Ashwathkatte Main Road		1	240.00	0.6	0.25	36.00		
	Basaveshwara Road		1	150.00	0.6	0.25	22.50		
	Mantapada Road		1	182.00	0.6	0.25	27.30		
	Pipeline-6th Cross		1	248.00	0.6	0.25	37.20		
	Pipeline-25th Cross		1	176.00	0.6	0.25	26.40		
	Pipeline-24th Cross		1	90.00	0.6	0.25	13.50		
	Bagyalakshmi Temple Road		1	242.00	0.6	0.25	36.30		
	9th Cross Maheswari nagara		1	150.00	0.6	0.25	22.50		
	Golden Bakery		1	316.00	0.6	0.25	47.40		
	Cambridge School Road		1	318.00	0.6	0.25	47.70		
							316.80	1121.04	355145.47
	Basic Rate	1038.00							
	Add Area Weightage 8%	83.04							
	Total	1121.04							

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4	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 Page No. 175/ Item No. 21.6/ PWD SR 2013-14							Sqm		
	Sides scour Portion									
	Ashwathkatte Main Road		1	240.00	0.75			180.00		
	Basaveshwara Road		1	150.00	0.75			112.50		
	Mantapada Road		1	182.00	0.75			136.50		
	Pipeline-6th Cross		1	248.00	0.75			186.00		
	Pipeline-25th Cross		1	176.00	0.75			132.00		
	Pipeline-24th Cross		1	90.00	0.75			67.50		
	Bagyalakshmi Temple Road		1	242.00	0.75			181.50		
	9th Cross Maheswari nagara		1	150.00	0.75			112.50		
	Golden Bakery		1	316.00	0.75			237.00		
	Cambridge School Road		1	318.00	0.75			238.50		
								1584.00	44.28	**70139.52**
	Basic Rate	41.00								
	Add Area Weightage 8%	3.28								
	Total	**44.28**								
5	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 /75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack coat with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH /Chapter 5. With 60/70 grade bitumen. Page No. 176/ Item No. 21.11.2/ PWD SR 2013-14							Cum		
	For Road Cutting		1	240.00	0.6	0.05		7.20		
			1	150.00	0.6	0.05		4.50		
			1	182.00	0.6	0.05		5.46		
			1	248.00	0.6	0.05		7.44		
			1	176.00	0.6	0.05		5.28		
			1	90.00	0.6	0.05		2.70		
			1	242.00	0.6	0.05		7.26		
			1	150.00	0.6	0.05		4.50		
			1	316.00	0.6	0.05		9.48		
			1	318.00	0.6	0.05		9.54		
								63.36	6646.32	**421110.84**
	Basic Rate	6154								
	Add Area Weightage 8%	492.32								
	Total	**6646.32**								

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6	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5. (Page No. 175, Item No. 21.1, PWD SR 2013-14						Sqm		
	Ashwathkatte Main Road		1	240.00	4.5		1080.00		
	Basaveshwara Road		1	150.00	4.5		675.00		
	Mantapada Road		1	182.00	4.5		819.00		
	Pipeline-6th Cross		1	248.00	4.8		1190.40		
	Pipeline-25th Cross		1	176.00	5.2		915.20		
	Pipeline-24th Cross		1	90.00	5.5		495.00		
	Bagyalakshmi Temple Road		1	242.00	4.5		1089.00		
	9th Cross Maheswari nagara		1	150.00	4.5		675.00		
	Golden Bakery		1	316.00	4.5		1422.00		
	Cambridge School Road		1	318.00	4.5		1431.00		
							9791.60	2.59	**25379.83**
	Basic Rate	2.40							
	Add Area Weightage 8%	0.192							
	Total	2.59							
7	KSRRB 500-7. Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 Page No. 176/ Item No. 21.7/ PWD SR 2013-14						Sqm		
	Ashwathkatte Main Road		1	240.00	4.5		1080.00		
	Basaveshwara Road		1	150.00	4.5		675.00		
	Mantapada Road		1	182.00	4.5		819.00		
	Pipeline-6th Cross		1	248.00	4.8		1190.40		
	Pipeline-25th Cross		1	176.00	5.2		915.20		
	Pipeline-24th Cross		1	90.00	5.5		495.00		
	Bagyalakshmi Temple Road		1	242.00	4.5		1089.00		
	9th Cross Maheswari nagara		1	150.00	4.5		675.00		
	Golden Bakery		1	316.00	4.5		1422.00		
	Cambridge School Road		1	318.00	4.5		1431.00		
							9791.60	11.99	**117381.70**
	Basic Rate	**11.10**							
	Add Area Weightage 8%	0.888							
	Total	11.988							

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8	Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. Item No. 21.20.1, Page no. 178, SR 2013-14						Cum		
	Ashwathkatte Main Road		1	240.00	4.5	0.025	27.00		
	Basaveshwara Road		1	150.00	4.5	0.025	16.88		
	Mantapada Road		1	182.00	4.5	0.025	20.48		
	Pipeline-6th Cross		1	248.00	4.8	0.025	29.76		
	Pipeline-25th Cross		1	176.00	5.2	0.025	22.88		
	Pipeline-24th Cross		1	220.00	5.5	0.025	30.25		
	Bagyalakshmi Temple Road		1	242.00	4.5	0.025	27.23		
	9th Cross Maheswari nagara		1	150.00	4.5	0.025	16.88		
	Golden Bakery		1	316.00	4.5	0.025	35.55		
	Cambridge School Road		1	318.00	4.5	0.025	35.78		
							262.67	9631.44	**2529842.19**
	Basic Rate	8918.00							
	Add Area Weightage 8%	713.44							
	Total	9631.44							
9	Carriage of mixed materials 10kms . For items of Sl. No (1) rs. 5.20 per cum/km. Page No. 186/PWD SR 2013-14						Cum		
	Qty Vide tem No. 5 + 8						**326.03**	56.16	**18309.56**
	Basic Rate	52.00							
	Add Area Weightage 8%	4.16							
	Total	56.16							
10	Disposal of Debris to the final place of disposal with all lead and lift and directions by the engineer in charge of the work. Lead10km a) Basic rate for Hualage of material as per item No.17.4/KSRRB M100-4.1 Rs.2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for rs.2.00km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs 62.2 (P.150,I.NO.18.57.1)						**Cum**		
	Qty Vide tem No.1						**471.83**		

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	Qty Limited to						471.83	72.71	34306.75
	Basic Rate (Rs.2.0 x 1.28 x 2 kms)	5.12							
	Loading and Unloading Charges	62.20						Sub total	3602699.69
		67.32							
	Area Weightage @ 8%	5.39							35974.44
	Total	**72.71**						**Total**	3602666.00
									396296.963 396293.20
11	Add: KRIDL Service charges @ 10% + Labour Cess charges @ 1%								1041
12	Miscellaneous and other unforseen charges								1003
								Total	**4000000.00**
	(Rupees Forty Lakhs Only)								

CERTIFICATE

1 The work sport has been inspected and the work found to be necessary
2 This estimate is prepared as per the PWD S.R of 2013-14
3 The provisions made in estimate are adequate and essential
4 This area comes under BBMP limits

Asst. Engineer
Ward No-13

Asst.Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

Job. Code: 013-13-020035
P-2201

CE/DZ/TS/24/14-15

ನಂ. ಪ್ರ: 66 ದಿನಾಂಕ : 20/5/2014
ರೂ. 40.00 Lakhs (Rupees Forty lakhs only)
ಗಳ ಆಯವ್ಯಯ ಮೊತ್ತಕ್ಕೆ ಅನುಮೋದನೆ ನೀಡಿದೆ.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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